

RECEIVED  
CENTRAL FAX CENTER

NOV 22 2006

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
FLUX DRIVE, INC.

Serial No.: 10/790,571

Group Art Unit: 2834

Filed: March 1, 2004

Examiner: Dang D. Le

Title:  
APPARATUS TO TRANSFER  
TORQUE MAGNETICALLY

Date: October 5, 2006

**DECLARATION UNDER 37 CFR 1.132 OF STEVEN J. MILLER, ESQ. -  
CERTIFYING DOCUMENT AUTHENTICITY**

BE IT ACKNOWLEDGED, that Steven J. Miller, the undersigned declarant, being of legal age, does hereby declare and certify as follows:

1. I have personal knowledge of the facts stated herein and I am competent to testify to these matters.
2. I am counsel to the Applicant in the above captioned patent application.
3. I hereby certify that attached hereto is Applicant's Exhibit B, Exhibit C and Exhibit D are true copies of the definitions and technical information they purport to be, and were printed directly off of the internet from the URL locations set forth on the bottom of said exhibits.

4. Pursuant to 28 USC 1746, I declare under penalty of perjury that the forgoing is true and correct, except as to statements made upon information and belief, and as to those I believe them to be true.

Executed this 5<sup>th</sup> day of October 2006.

  
Steven J. Miller, Esq.



# Merriam-Webster OnLine

Merriam-Webster FOR KIDS

Encyclopædia BRITANNICA

Merriam-Webster ONLINE

Merriam-Webster COLLEGIATE® Merriam-Webster UN

**BellSouth®**  
**FastAccess®**  
**DSL**

As low as **\$24.95 per month****\$75 cash back** on select speeds**Free DSL modem after rebate** with 12-month commitment >> [click](#)

HOME

PREMIUM SERVICES

M-WCollegiate.com  
 M-WUnabridged.com  
 Britannica.com  
 Multi-User Licenses

DOWNLOADS

WORD OF THE DAY

WORD GAMES

SPELLING BEE HIVE

WORD FOR THE WISE

ONLINE STORE

HELP

Merriam-Webster Inc.  
 Company information

Merriam-Webster Online Dictionary

Merriam-Webster

Dictionary

Thesaurus

Thesaurus

## ferromagnetic

One entry found for **ferromagnetic**.Main Entry: **fer-ro-mag-net-ic**

Pronunciation: -'ne-tik

Function: *adjective*

: of or relating to substances with an abnormally high magnetic permeability, a definite saturation point, and appreciable residual magnetism and hysteresis

- **fer-ro-mag-net** /'fer-&-"mag-n&t/ *noun*- **fer-ro-mag-ne-tism** /"fer-O-"mag-n&-"ti-z&m/ *noun*

For More Information on "**ferromagnetic**" go to  
[Britannica.com](http://Britannica.com)

Get the **Top 10 Search Results** for "**ferromagnetic**"

Ads by Google

### High Temp Metals

Nickel and Cobalt alloy distributor 800-500-2141 (FAX) 818-362-9884

[www.hightempmetals.com](http://www.hightempmetals.com)

### Ferrofluid from Ferrotec

Ferrofluid Technology From The Company That Pioneered Its Use

[www.Ferrotec.com](http://www.Ferrotec.com)

### Magnetic Liquid?

Brief and Straightforward Guide to Ferro-Fluid

[wisegeek.com](http://wisegeek.com)

Browse by letter

A B C D E F G H I  
N O P Q R S T U V

Browse words n

**ferromagnetic**

ferromagneti

Ads by Google

[Fermi Liquid](#)[Quantum Dots](#)[Room Temperatur](#)[Single Electron](#)

Pronunciation Symbols

<http://www.m-w.com/cgi-bin/dictionary?book=Dictionary&va=ferromagnetic>

8/29/2006

You are here: [About](#) > [Education](#) > [Chemistry](#) > [Periodic Table & Elements](#) > [Periodic Table of the Elements - Iron](#)

# About Chemistry

Advertisement

BRING BACK SHOW AND TELL

Vibrant, precise, reliable. Turn over the page  
you print to Original HP Ink.

Brilliantly Simple.  
Learn more »



## Periodic Table of the Elements

Iron

Fe

Atomic Number	26
Symbol	Fe
Atomic Weight	55.847
Discovery	Known since prehistoric time.
Electron Configuration	[Ar]4s <sup>2</sup> 3d <sup>6</sup>
Word Origin	Latin <i>ferrum</i> ; Anglo-Saxon <i>iron</i>
Isotopes	There are 14 known isotopes of iron. Common iron consists of a mixture of 4 isotopes.
Properties	The melting point of iron is 1535°C, boiling point is 2750°C, specific gravity is 7.874 (20°C), with a valence of 2, 3, 4, or 6. Pure iron is chemically reactive and corrodes rapidly, especially in moist air or at elevated temperatures. Four allotropic forms, or ferrites, are known: $\alpha$ , $\beta$ , $\gamma$ , and $\delta$ , with transition points at 770, 928, and 1530°C. The $\alpha$ form is magnetic, but when iron is transformed into the $\beta$ form, the magnetism disappears, although the lattice remains unchanged.
Uses	Iron is vital to plant and animal life. In humans, it appears in the hemoglobin molecule. Iron metal is usually alloyed with other metals and carbon for commercial uses. Pig iron is an alloy containing about 3% carbon, with varying quantities of Si, S, P, and Mn. Pig iron is brittle, hard, and fairly fusible and is used to produce other iron alloys, including steel. Wrought iron contains only a few tenths of a percent of carbon and is malleable, tough, and less fusible than pig iron. Wrought iron typically has a fibrous structure. Carbon steel is an iron alloy with carbon and small amounts of S, Si, Mn, and P. Alloy steels are carbon steels that contain additives such as chromium, nickel, vanadium, etc. Iron is the least expensive, most abundant, and most used of all metals.
Sources	Iron is a relatively abundant element in the universe. The sun and many types of stars contain iron in quantity. Iron is found native in a class of meteorites called <i>siderites</i> and it is a minor constituent of the other two classes of meteorites. The Earth's core is thought to be composed mainly of iron, with about 10% occluded hydrogen. Iron is the fourth most abundant element in the Earth's crust. The most common iron ore is hematite (Fe <sub>2</sub> O <sub>3</sub> ), from which iron metal is obtained by reduction with carbon. Iron is also found in minerals such as taconite and magnetite, which is commonly seen as black sands along beaches and stream banks.

Sources: Los Alamos National Laboratory (2001), Crescent Chemical Company (2001), Lange's Handbook of Chemistry (1952)

Return to the [Periodic Table](#)

### Recent Discussions

[Titration- need help/deas anyone? Seperation of Mixtures Experiment](#)

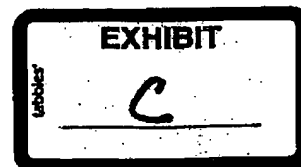
Subscribe to the Newsletter

Name

Email



subscribe



BEST AVAILABLE COPY

Yahoo! My Yahoo! Mail

Search:

**YAHOO! EDUCATION****Sign In**New User? [Sign Up](#)[Education](#)**1,112 Volunteers needed in Connecticut**

Search this site:

Search

<a href="#">Home</a>	<a href="#">K-12 School</a>	<a href="#">College &amp; Grad School</a>	<a href="#">Courses &amp; Degrees</a>	<a href="#">Reference</a>	<a href="#">Home</a>
----------------------	-----------------------------	---	---------------------------------------	---------------------------	----------------------

Yahoo! Education > [Reference](#) > [Dictionary](#) > [ferrous](#)**Definition of ferrous****Reference**► [Dictionary](#)[Encyclopedia](#)[Thesaurus](#)[World Factbook](#)[Spanish Dictionary](#)[Quotations](#)[Anatomy](#)[Conversion Calculator](#)**Sponsored Links****[Learn about Ferrous](#)**

Powered by Discovery Channel. Get online chemistry homework help for grades K-12. Access to over 30,000 videos and more. 30-day trial. [www.cosmeo.com](http://www.cosmeo.com)

[✉ Email this page to a friend](#)< [ferrotype](#)

HOUGHTON MIFFLIN

[ferrous oxide](#) >**fer-rous** (fēr'əs) **KEY****ADJECTIVE:**

Of or containing iron, especially with valence 2 or a valence lower than in a corresponding ferric compound.

**Reference Factoid Quiz**

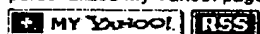
What is the least densely populated country in the world?

[Sri Lanka](#)[Australia](#)[Belize](#)[United States](#)[Greenland](#)[submit my vote](#)[view results without voting](#)**Word of the Day****[impinge](#)**

Definition: (verb) to encroach upon, touch, or affect.

[Petersons.com](#)

Add Word of the Day to your personalized My Yahoo! page:

[About My Yahoo! and RSS »](#)

Visit our partner's site

Provided by Houghton Mifflin



**eReference** -- Download this interactive reference software to your desktop computer

**e-Reference****Sponsored Links****[Ferrous - Cheap Prices](#)**

Vitamins, Minerals, Supplements & Antioxidants. Ferrous on Sale. [www.nextag.com](http://www.nextag.com)

**[Detail / Cross Reference Ferrous Metals](#)**

Internet and Windows software that details/cross-references over 100,000+ standards from around the world. Includes ASTM, JIS, DIN, EN, GOST, ISO, and 70 other international organizations. [www.metalinfo.com](http://www.metalinfo.com)

(What's this?)

**ADVERT****EssayE****Admissions****EXHIBIT****D****EssayE****ve Yours**
☒ **Harvard Editors**
☒ **250+ Successful Essays**
☒ **Free Pe State Course**
<http://education.yahoo.com/reference/dictionary/entry/ferrous>

8/30/2006